

Title (en)

Ante-glare device

Title (de)

Blendschutzvorrichtung

Title (fr)

Dispositif anti-éblouissement

Publication

EP 0550384 B2 20050202 (DE)

Application

EP 92810953 A 19921204

Priority

CH 386691 A 19911231

Abstract (en)

[origin: EP0550384A1] Antiglare device for safety goggles, safety helmets or safety masks, which has an electrooptic antiglare pane (5). <??>This antiglare pane (5) comprises a liquid crystal cell (15) which is controlled by an electronic circuit for setting the optical transmission. The operating voltage is selected in such a way that the optical transmission value of the antiglare pane (5) is less than 1%. The frequency of this operating voltage is below 32 Hertz. <IMAGE>

IPC 1-7

A61F 9/06; **G02F 1/133**; **G02C 7/10**

IPC 8 full level

A61F 9/06 (2006.01); **G02C 7/10** (2006.01); **G02F 1/133** (2006.01)

CPC (source: EP US)

A61F 9/067 (2013.01 - EP US); **G02C 7/101** (2013.01 - EP US); **G02F 1/13306** (2013.01 - EP US)

Citation (opposition)

Opponent :

- US 3700306 A 19721024 - CARTMELL JAMES V, et al
- US 4039254 A 19770802 - HARSCH THOMAS B
- EP 0349665 A1 19900110 - OPTREL AG [CH]
- FR 2293188 A1 19760702 - BUDMIGER HERMANN [CH]
- US 29684 A 18600821
- US 4155122 A 19790522 - BUDMIGER HERMANN [CH]

Cited by

DE19959944C2; DE19959945C2; WO2012048436A1; US7061462B1; WO0054097A3; WO0025175A3; WO2007033874A1

Designated contracting state (EPC)

AT BE CH DE DK FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0550384 A1 19930707; **EP 0550384 B1 19971001**; **EP 0550384 B2 20050202**; AT E158711 T1 19971015; CH 687909 A5 19970327; DE 59208946 D1 19971106; DE 9219117 U1 19980520; DK 0550384 T3 19980518; US 5315099 A 19940524

DOCDB simple family (application)

EP 92810953 A 19921204; AT 92810953 T 19921204; CH 386691 A 19911231; DE 59208946 T 19921204; DE 9219117 U 19921204; DK 92810953 T 19921204; US 99514592 A 19921222